

WHAT IS CLAIMED IS:

1. A system of verifying information, comprising;
a radio frequency device comprising a radio frequency antenna embedded
on a chip;
5 a radio frequency identification mechanism incorporating the radio
frequency device; and
a radio frequency reader to read information from the radio frequency
device.
2. A method of verifying information, comprising:
10 storing first identification information on a chip with a radio frequency
antenna;
incorporating the chip onto a radio frequency identification mechanism;
reading first identification information with a radio frequency reader; and
comparing the first identification information with second identification
15 information to determine if a match exists.
3. A system of verifying registration information of an item, comprising;
a radio frequency device comprising a radio frequency antenna embedded
on a chip;
an item incorporating the radio frequency device; and
20 a radio frequency reader to read information from the radio frequency
device.
4. A method of verifying registration information of an item, comprising:
storing first identification information on a chip with a radio frequency
antenna;

incorporating the chip onto the item;

reading the first identification information from the item with a radio
frequency reader; and

5 comparing the first identification information with second identification
information obtained from a user to determine if a match exists.

5. A system of verifying registration information of a vehicle, comprising;
a radio frequency device comprising a radio frequency antenna embedded
on a chip; and

a license plate incorporating the radio frequency device.

10 6. A method of verifying registration information of a vehicle, comprising:
storing first identification information on a chip with a radio frequency
antenna;

incorporating the chip onto a license plate attached to the vehicle;

15 reading the first identification information from the license plate with a
radio frequency reader; and

comparing the first identification information with second identification
information obtained from a user to determine if a match exists.

7. The system of Claim 3, wherein the first and second identification
information comprises at least one of:

20 physical characteristics of a person authorized to drive a vehicle;

physical characteristics of a vehicle; and

biometric information of a person authorized to drive a vehicle.

8. The method of Claim 4, wherein the first and second identification
information comprises at least one of:

physical characteristics of a person authorized to drive a vehicle;
physical characteristics of a vehicle; and
biometric information of a person authorized to drive a vehicle.

9. A system of verifying identification information of an individual,
5 comprising;
a radio frequency device comprising a radio frequency antenna embedded
on a chip;
an identification mechanism incorporating the radio frequency device; and
a radio frequency reader to read information from the radio frequency
10 device.

10. A method of verifying identification information of an individual,
comprising:

storing first identification information on a chip with a radio frequency
antenna;

15 incorporating the chip onto an identification mechanism;
reading the first identification information from the identification
mechanism with a radio frequency reader; and

comparing the first identification information with second identification
information obtained from the individual to determine if a match exists.

20 11. The system of Claim 9, wherein the first and second identification
information comprises at least one of:

physical characteristics of an individual authorized to drive a vehicle;
physical characteristics of a vehicle; and
biometric information of an individual authorized to drive a vehicle.

12. The method of Claim 10, wherein the first and second identification information comprises at least one of:

physical characteristics of an individual authorized to drive a vehicle;

physical characteristics of a vehicle; and

5 biometric information of an individual authorized to drive a vehicle.

13. The system of Claim 9, wherein the identification mechanism is at least one of:

a passport;

a driver's license; and

10 an identification card.

14. The method of Claim 10, wherein the identification mechanism is at least one of:

a passport;

a driver's license; and

15 an identification card.

15. A system of verifying identification information of an individual, comprising;

a radio frequency device comprising a radio frequency antenna embedded on a chip;

20 a communication device incorporating the radio frequency device; and

a radio frequency reader to read information from the radio frequency device.

16. A method of verifying identification information of an individual, comprising:

storing first identification information on a chip with a radio frequency antenna;

incorporating the chip onto a communications device;

reading the first identification information from the communications device

5 with a radio frequency reader; and

comparing the first identification information with second identification information obtained from the individual to determine if a match exists.

17. The system of Claim 15, wherein the first and second identification information comprises at least one of:

10 physical characteristics of the individual;

biometric information of the individual; and

personal knowledge of the individual.

18. The method of Claim 16, wherein the first and second identification information comprises at least one of:

15 physical characteristics of the individual;

biometric information of the individual; and

personal knowledge of the individual.

19. The system of Claim 15 wherein the communications device comprises:

20 a cellular phone;

a personal digital assistant;

a pager;

a personal communications device

20. A system of verifying border crossing control information, comprising;

a radio frequency device comprising a radio frequency antenna embedded on a chip;

a radio frequency decal incorporating the radio frequency device attached to at least one item;

5 a radio frequency card incorporating the radio frequency device tied to an individual connected to the at least one item; and

a radio frequency reader to read information from the radio frequency decal and the radio frequency card.

21. A method of verifying border crossing control information,
10 comprising:

storing identification information on a chip with a radio frequency antenna; incorporating the chip onto a radio frequency decal attached to at least one item;

incorporating the chip onto a radio frequency card tied to an individual
15 connected to the at least one item;

reading the identification information from the radio frequency decal and the radio frequency card with a radio frequency reader; and

comparing the identification information from the radio frequency decal and the radio frequency card to determine if a match exists.

20 22. The system of Claim 20, wherein the identification information comprises at least one of:

physical characteristics of the individual;

physical characteristics of a vehicle driven by the individual; and

biometric information of the individual;

physical characteristics of the at least one item; and
personal knowledge of the individual.

23. The method of Claim 21, wherein the identification information
comprises at least one of:

5 physical characteristics of the individual;
 physical characteristics of a vehicle driven by the individual; and
 biometric information of the individual;
 physical characteristics of the at least one item; and
 personal knowledge of the individual.

10 24. A system of verifying identification information of an individual at an
airport, comprising;

 a radio frequency device comprising a radio frequency antenna embedded
on a chip;

 at least one airport identification mechanism incorporating the radio
15 frequency device; and

 a radio frequency reader to read information from the radio frequency
device.

25. A method of verifying identification information of an individual at an
airport, comprising:

20 storing first identification information on a chip with a radio frequency
antenna;

 incorporating the chip onto at least one airport identification mechanism;

 reading the first identification information from the at least one
identification mechanism with a radio frequency reader; and

comparing the first identification information with second identification information obtained from the individual to determine if a match exists.

26. The system of Claim 24, wherein the first and second identification information comprises at least one of:

- 5 physical characteristics of the individual;
- biometric information of the individual; and
- personal knowledge of the individual.

27. The method of Claim 25, wherein the first and second identification information comprises at least one of:

- 10 physical characteristics of the individual;
- biometric information of the individual; and
- personal knowledge of the individual.

28. A method of verifying a user is authorized to download a software application, comprising:

- 15 storing first identification information on a chip, wherein a radio frequency antenna is embedded on the chip;
- incorporating the chip into at least one identification device;
- reading the first identification information from the at least one identification device with a radio frequency reader;
- 20 accepting second identification information from the user;
- comparing the first identification information to the second identification information obtained from the user to verify the identification of the user.

29. A system of verifying registration information of a vehicle, comprising;

a radio frequency device comprising a radio frequency antenna embedded
on a chip;

a identification mechanism incorporating the radio frequency device; and

a radio frequency reader to obtain information from the radio frequency

5 device.

30. The system of Claim 29, wherein the identification mechanism is a
sticker.

31. The system of Claim 29, wherein the identification mechanism is a
window sticker.

10 32. The system of Claim 29, wherein the radio frequency device further
comprises:

information storage capabilities; and

transmission capabilities.

33. The system of Claim 29, wherein the identification mechanism is
15 a retroreflective article.

34. The system of Claim 29, wherein the chip is an integrated circuit.

35. A method of verifying registration information of a vehicle,
comprising:

storing first identification information on a chip with a radio frequency

20 antenna;

incorporating the chip onto an identification mechanism attached to the
vehicle;

reading the first identification information from the identification
mechanism with a radio frequency reader; and

comparing the first identification information with second identification information obtained from a user to determine if a match exists.

36. The method of Claim 35, wherein the identification mechanism is a sticker.

5 37. The method of Claim 35, wherein the identification mechanism is a window sticker.

38. The method of Claim 35, wherein the radio frequency device further comprises:

information storage capabilities; and
10 transmission capabilities.

39. The method of Claim 35, wherein the identification mechanism is a retroreflective article.

40. The method of Claim 35, wherein the first and second identification information comprises at least one of:

15 physical characteristics of a person authorized to drive a vehicle;
physical characteristics of a vehicle; and
biometric information of a person authorized to drive a vehicle.

41. The method of Claim 35, wherein the chip is an integrated circuit.

42. A system of verifying information, comprising;
20 a retroreflective integrated circuit-sealed product comprising an integrated circuit module with a built-in radio frequency identification type integrated circuit and a communication antenna connected to the radio frequency identification type; and

a radio frequency reader to read information from the retroreflective integrated circuit product.

43. A system of verifying information, comprising;

5 a retroreflective integrated circuit-sealed product comprising an integrated circuit module with a built-in integrated circuit, a light retroreflective element, and a carrying layer; and

a radio frequency reader to read information from the retroreflective integrated circuit product.

44. The system of Claim 42, wherein the communication antenna is formed
10 on the reflecting surface of a retroreflective element.

45. A method of verifying information, comprising:

storing first identification information on a retroreflective integrated circuit-sealed product comprising an integrated circuit module with a built-in radio frequency identification type integrated circuit and a communication antenna
15 connected to the radio frequency identification type;

reading first identification information from the retroreflective integrated circuit-sealed product; and

comparing the first identification information with second identification information to determine if a match exists.

20 46. The method of Claim 45, wherein the first and second identification information comprises at least one of:

physical characteristics of an individual;

biometric information of an individual;

personal knowledge of an individual; and

physical characteristics of an item.

47. The method of Claim 45, wherein the communication antenna is formed on the reflecting surface of a retroreflective element.

48. A method of verifying information, comprising:

5 storing first identification information on a retroreflective integrated circuit-sealed product comprising a built-in integrated circuit, a light retroreflective element, and a carrying layer;

reading first identification information from the retroreflective integrated circuit-sealed product; and

10 comparing the first identification information with second identification information to determine if a match exists.

49. The system of Claim 1, wherein the radio frequency identification mechanism includes at least one of:

tamper-proof material;

15 a bidi-tri-dimensional feature;

a hidden image;

a dot-matrix;

hot stamping;

a moire pattern;

20 a hot stamped metalized hologram;

microprint;

ultraviolet fluorescence;

light piping;

laser engraving;

- metalized striping;
- a guilloche pattern;
- a cameo effect;
- ghost imaging;
- 5 a multidimensional hologram;
- line artwork;
- a photograph;
- a colorgram;
- a stereogram;
- 10 a holomatrix;
- an optical variable device;
- a combined hologram;
- multi-dimensional bar codes; and
- security taggant material.
- 15 50. The system of Claim 1, wherein the radio frequency identification mechanism is subject to at least one of:
 - a static bending test;
 - a heat test;
 - a rigidity test;
 - 20 a durability test; and
 - an abrasion test.
- 51. The method of Claim 2, wherein the radio frequency identification mechanism includes at least one of:
 - tamper-proof material;

a bidi-tri-dimensional feature;
a hidden image;
a dot-matrix;
hot stamping;
5 a moire pattern;
a hot stamped metalized hologram;
microprint;
ultraviolet fluorescence;
light piping;
10 laser engraving;
metalized striping;
a guilloche pattern;
a cameo effect;
ghost imaging;
15 a multidimensional hologram;
line artwork;
a photograph;
a colorgram;
a stereogram;
20 a holomatrix;
an optical variable device;
a combined hologram;
multi-dimensional bar codes; and
security taggant material.

52. The method of Claim 2, wherein the radio frequency identification mechanism is subject to at least one of:

a static bending test;

a heat test;

5 a rigidity test;

a durability test; and

an abrasion test.